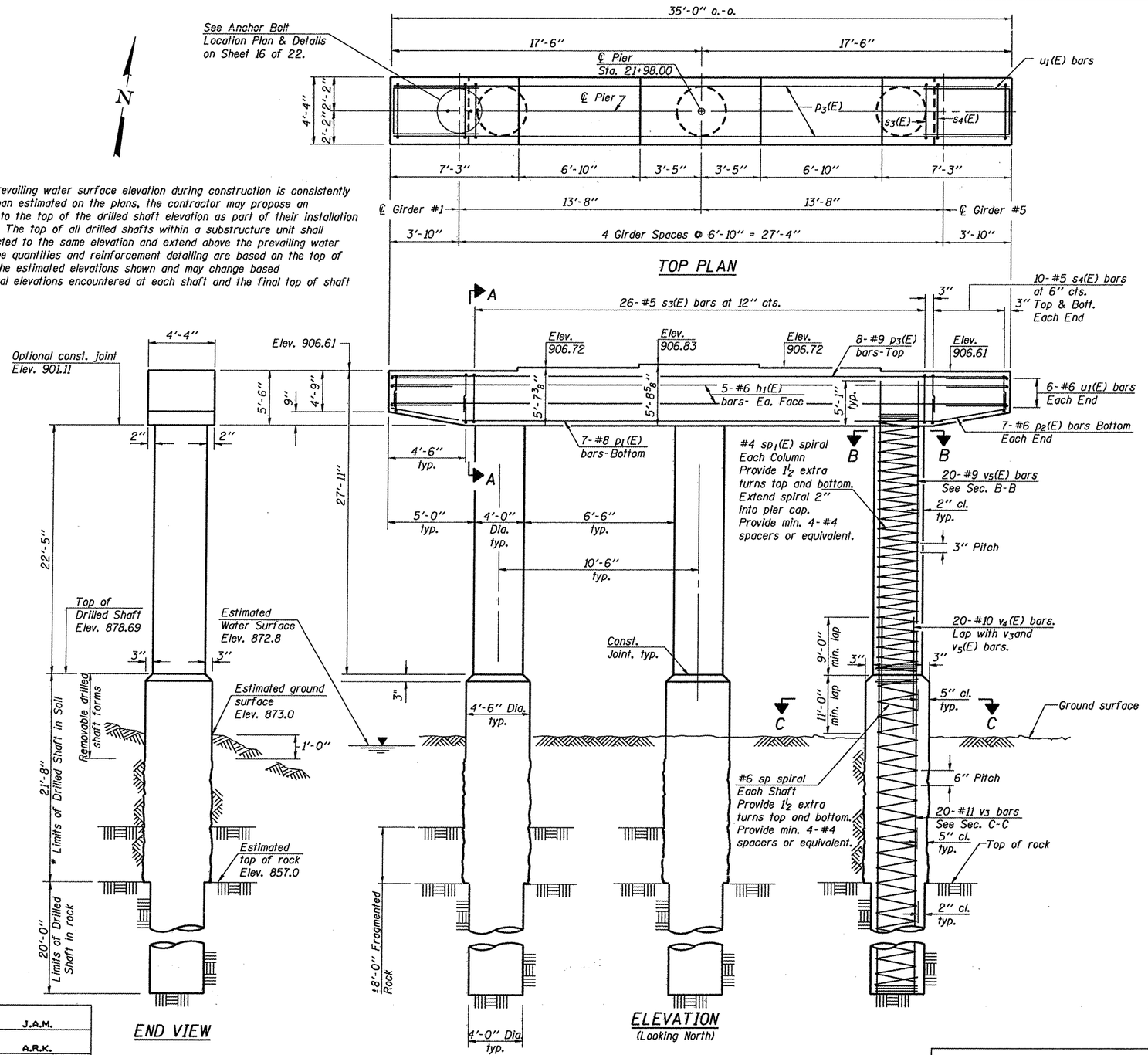
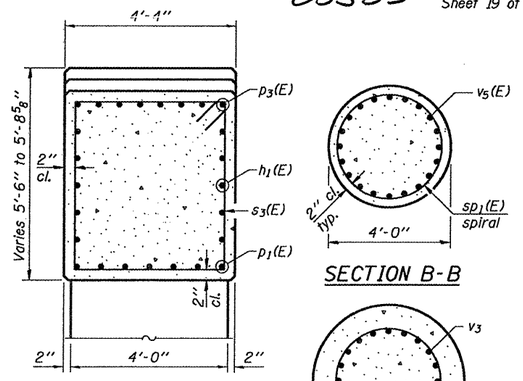
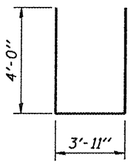
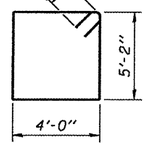


* If the prevailing water surface elevation during construction is consistently different than estimated on the plans, the contractor may propose an adjustment to the top of the drilled shaft elevation as part of their installation procedure. The top of all drilled shafts within a substructure unit shall be constructed to the same elevation and extend above the prevailing water surface. The quantities and reinforcement detailing are based on the top of shaft and the estimated elevations shown and may change based on the actual elevations encountered at each shaft and the final top of shaft elevation.

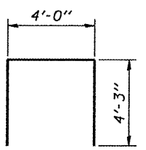




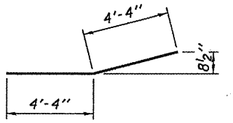
BAR u1(E)



BAR s3(E)



BAR s4(E)



BAR p2(E)

BILL OF MATERIAL

	Bar	No.	Size	Length	Shape
	h1(E)	10	#6	34'-6"	——
	p1(E)	7	#8	25'-0"	——
	p2(E)	14	#6	8'-8"	⌒
	p3(E)	8	#9	34'-8"	——
	s3(E)	26	#5	19'-3"	⊐
	s4(E)	40	#5	12'-6"	⊔
**	sp	3	#6	41'-5"	WWW
**	sp1(E)	3	#4	22'-6"	WWW
	u1(E)	12	#6	11'-11"	▭
	v3	60	#11	41'-6"	——
	v4(E)	60	#10	21'-0"	——
	v5(E)	60	#9	27'-6"	——
	Concrete Structures			Cu. Yd.	62.1
	Reinforcement Bars, Epoxy Coated			Pound	16,550
	Reinforcement Bars			Pounds	17,690
	Drilled Shaft in Soil			Cu. Yd.	38.2
	Drilled Shaft in Rock			Cu. Yd.	27.9

Cast steps monolithically with cap.
Space cap reinforcement to miss anchor bolts.
Mechanical Splicers required for Spiral Reinforcement if spiral is not fabricated using a continuous reinforcement bar for the entire length of the spiral. Cost of Mechanical Splicers is included with Reinforcement Bars, Epoxy Coated and with Reinforcement Bars.
** Length is height of spiral.

PIER
S.N. 043-3270

DESIGNED -	J.A.M.
CHECKED -	A.R.K.
DRAWN -	S.A.P.
CHECKED -	J.A.M. & A.L.S.

P-DS 11-1-09

FILE: 46860_PIER.DGN DATE: 03/24/11

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4440 ASH GROVE SPRINGFIELD, IL 62711 (217)-793-8800 www.fehr-graham.com

C.H.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9	06-00127-00-BR	JO DAVIESS	55	28
	SCOUT CAMP ROAD	CONTRACT NO. 85539		
	ILLINOIS			

*46860